

## SEQUENCE LISTING

&lt;110&gt; Leukotech A/S

&lt;120&gt; Pro-inflammatory and anti-inflammatory antibodies against the heparin binding protein (HBP)

&lt;130&gt; P181 PC00

&lt;160&gt; 589

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 225

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 1

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Ser Ile Gln Asn Gln Gly Arg His Phe Cys Gly Gly Ala Leu Ile His  
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Ala Arg Phe Val Met Thr Ala Ala Ser Cys Phe Gln Ser Gln Asn Pro  
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Gly Val Ser Thr Val Val Leu Gly Ala Tyr Asp Leu Arg Arg Arg Glu  
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Arg Gln Ser Arg Gln Thr Phe Ser Ile Ser Ser Met Ser Glu Asn Gly  
 65 70 75 80

Tyr Asp Pro Gln Gln Asn Leu Asn Asp Leu Met Leu Leu Gln Leu Asp  
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Arg Glu Ala Asn Leu Thr Ser Ser Val Thr Ile Leu Pro Leu Pro Leu  
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Gln Asn Ala Thr Val Glu Ala Gly Thr Arg Cys Gln Val Ala Gly Trp  
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Gly Ser Gln Arg Ser Gly Gly Arg Leu Ser Arg Phe Pro Arg Phe Val  
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Asn Val Thr Val Thr Pro Glu Asp Gln Cys Arg Pro Asn Asn Val Cys  
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Thr Gly Val Leu Thr Arg Arg Gly Gly Ile Cys Asn Gly Asp Gly Gly  
165 170 175

Thr Pro Leu Val Cys Glu Gly Leu Ala His Gly Val Ala Ser Phe Ser  
180 185 190

Leu Gly Pro Cys Gly Arg Gly Pro Asp Phe Phe Thr Arg Val Ala Leu  
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Phe Arg Asp Trp Ile Asp Gly Val Leu Asn Asn Pro Gly Pro Gly Pro  
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Arg Glu Arg Gln

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Glu Arg Gln Ser

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Arg Gln Ser Arg

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Asp Pro Gln Gln

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&lt;210&gt; 78

&lt;211&gt; 4

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Pro Gln Gln Asn

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&lt;210&gt; 79

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Gln Gln Asn Leu

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Asn Leu Thr Ser

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Leu Thr Ser Ser

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Ile Leu Pro Leu

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Val Leu Thr Arg

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Cys Glu Gly Leu

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Glu Gly Leu Ala

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Gly Leu Ala His

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Leu Ala His Gly

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Gly Pro Asp Phe  
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Asp Phe Phe Thr  
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Val Ala Leu Phe

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Gly Val Leu Asn  
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Val Leu Asn Asn  
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Leu Asn Asn Pro  
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Pro Gly Pro Gly

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Gly Pro Gly Pro

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Pro Gly Pro Ala

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<400> 218

Gly Gly Arg Lys

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Gly Arg Lys Ala  
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Lys Ala Arg Pro  
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Gly Gly Arg Arg  
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Gly Arg Arg Ala

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Arg Arg Ala Gln  
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Arg Ala Gln Pro  
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Ala Gln Pro Gln  
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Gln Pro Gln Glu  
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Pro Gln Glu Phe  
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Phe Pro Phe Leu  
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Pro Phe Leu Ala

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Gln Gly Arg Pro

1

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Gly Arg Pro Phe

1

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Arg Pro Phe Cys

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Pro Phe Cys Ala

1

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Phe Cys Ala Gly

1

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Cys Ala Gly Ala

1

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Ala Gly Ala Leu

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Gly Ala Leu Val

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Ala Leu Val His

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Leu Val His Pro

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Val His Pro Arg

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His Pro Arg Phe

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Ser Ile Gln Lys  
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Arg Phe Val Leu  
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Phe Val Leu Thr  
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Val Leu Thr Ala  
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Ser Cys Phe Arg  
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Cys Phe Arg Gly  
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Phe Arg Gly Lys  
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Arg Gly Lys Asn

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Gly Lys Asn Ser

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Lys Asn Ser Gly

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<400> 256

Asn Ser Gly Ser

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Ser Gly Ser Ala  
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Gly Ser Ala Ser  
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Ser Ala Ser Val  
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Ala Ser Val Val  
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Ser Val Val Leu  
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Asp Leu Arg Gln  
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Leu Arg Gln Gln  
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Arg Gln Gln Glu  
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Gln Gln Glu Gln  
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Gln Glu Gln Ser  
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Glu Gln Ser Arg  
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Ile Gln Lys Gln  
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Phe Ser Ile Arg  
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Ile Arg Ser Ile  
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Arg Ser Ile Ser  
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Ser Ile Ser Gln  
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Ile Ser Gln Asn

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Ser Gln Asn Gly

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Gln Asn Gly Tyr

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Tyr Asp Pro Arg

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Asp Pro Arg Gln

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Pro Arg Gln Asn

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Arg Gln Asn Leu

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Leu Asn Asp Val

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<400> 282

Asn Asp Val Leu

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Asp Val Leu Leu

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Val Leu Leu Leu

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Leu Leu Leu Gln

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Glu Ala Arg Leu  
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Ala Arg Leu Thr.  
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Arg Leu Thr Pro  
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Leu Thr Pro Ser  
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Thr Pro Ser Val  
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Pro Ser Val Ala  
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Ser Val Ala Leu  
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Val Ala Leu Val  
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Ala Leu Val Pro

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Leu Val Pro Leu

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Val Pro Leu Pro

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Pro Leu Pro Pro

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Leu Pro Pro Gln  
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Pro Pro Gln Asn  
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Pro Gln Asn Ala  
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Ala Gly Thr Asn  
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Gly Thr Asn Cys  
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Thr Asn Cys Gln  
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Asn Cys Gln Val  
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Gly Trp Gly Thr  
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Trp Gly Thr Gln  
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Gly Thr Gln Arg  
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Thr Gln Arg Leu  
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Gln Arg Leu Arg  
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Arg Leu Arg Arg  
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Leu Arg Arg Leu

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<400> 313

Arg Arg Leu Phe

1

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<400> 314

Arg Leu Phe Ser

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Leu Phe Ser Arg

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Phe Ser Arg Phe  
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Phe Pro Arg Val  
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Pro Arg Val Leu  
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Arg Val Leu Asn  
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Val Leu Asn Val

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<400> 321

Leu Asn Val Thr

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<400> 322

Thr Val Thr Ser

1

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<400> 323

Val Thr Ser Asn

1

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<400> 324

Thr Ser Asn Pro  
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<400> 325

Ser Asn Pro Cys  
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Asn Pro Cys Leu  
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Pro Cys Leu Pro  
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Cys Leu Pro Arg  
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Leu Pro Arg Asp  
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Pro Arg Asp Met  
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<400> 331

Arg Asp Met Cys  
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Asp Met Cys Ile  
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Met Cys Ile Gly  
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Cys Ile Gly Val  
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Ile Gly Val Phe  
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Gly Val Phe Ser  
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Val Phe Ser Arg  
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Phe Ser Arg Arg  
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Asp Arg Gly Thr

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Leu Ala Gln Gly

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Ala Gln Gly Val

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Gln Gly Val Ala

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Ala Ser Phe Leu

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Arg Arg Ser Ser  
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Leu Phe Arg Asn  
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Asn Trp Ile Asp

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Trp Ile Asp Ser

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Ile Asp Ser Val

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Asp Ser Val Leu

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Ser Val Leu Asn

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Gly Gly Arg Arg

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Gly Arg Arg Ala

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Cys Gly Ala Thr

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Ala Thr Leu Ile

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Ala Asn Val Asn

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Pro Thr Arg Gln

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Gln Val Phe Ala

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Val Phe Ala Val

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Phe Ala Val Gln

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Ala Val Gln Arg

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Arg Ile Phe Glu  
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Glu Asp Gly Tyr  
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Asp Gly Tyr Asp  
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Tyr Asp Pro Val  
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Asp Pro Val Asn  
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Asn Leu Leu Asn

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Leu Asn Asp Ile

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Asp Ile Val Ile

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Leu Leu Gly Arg

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Leu Gly Arg Asn

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Val Thr Ser Leu

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Thr Ser Leu Cys

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Ser Leu Cys Arg

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<210> 561

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Gly Cys Ala Ser

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Cys Ala Ser Gly

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Ala Ser Gly Leu

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<210> 565

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Ser Gly Leu Tyr

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Gly Leu Tyr Pro

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Leu Tyr Pro Asp

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<210> 568

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Pro Asp Ala Phe  
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<210> 573  
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Ala Pro Val Ala  
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<210> 574  
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<220>  
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Pro Val Ala Gln  
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<210> 575  
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<220>  
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Val Ala Gln Phe  
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<210> 576  
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Ala Gln Phe Val  
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<210> 577

<211> 4  
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<220>  
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Gln Phe Val Asn  
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<210> 578  
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Phe Val Asn Trp  
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Val Asn Trp Ile  
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<210> 580  
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<210> 581  
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Trp Ile Asp Ser

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<210> 582

<211> 4

<212> PRT

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Ile Asp Ser Ile

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<210> 583

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<400> 583

Asp Ser Ile Ile

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<210> 584

<211> 4

<212> PRT

<213> Artificial sequence

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<400> 584

Ser Ile Ile Gln

1

<210> 585

<211> 4

<212> PRT

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&lt;400&gt; 585

Pro Arg Phe Val

1

&lt;210&gt; 586

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Peptide fragment: amino acid residues 190-194 of pHPB

&lt;400&gt; 586

Leu Arg Arg Arg

1

&lt;210&gt; 587

&lt;211&gt; 4

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Peptide fragment: amino acid residues 217-220 of pHPB

&lt;400&gt; 587

Asn Pro Pro Ala

1

&lt;210&gt; 588

&lt;211&gt; 221

&lt;212&gt; PRT

&lt;213&gt; Sus sp.

&lt;400&gt; 588

Ile Val Gly Gly Arg Arg Ala Gln Pro Gln Glu Phe Pro Phe Leu Ala  
1 5 10 15

Ser Ile Gln Lys Gln Gly Arg Pro Phe Cys Ala Gly Ala Leu Val His  
20 25 30

Pro Arg Phe Val Leu Thr Ala Ala Ser Cys Phe Arg Gly Lys Asn Ser  
35 40 45

Gly Ser Ala Ser Val Val Leu Gly Ala Tyr Asp Leu Arg Gln Gln Glu  
50 55 60

Gln Ser Arg Gln Thr Phe Ser Ile Arg Ser Ile Ser Gln Asn Gly Tyr

142

65

70

75

80

Asp Pro Arg Gln Asn Leu Asn Asp Val Leu Leu Leu Gln Leu Asp Arg  
85 90 95

Glu Ala Arg Leu Thr Pro Ser Val Ala Leu Val Pro Leu Pro Pro Gln  
100 105 110

Asn Ala Thr Val Glu Ala Gly Thr Asn Cys Gln Val Glu Ala Gly Trp  
115 120 125

Gly Thr Gln Arg Leu Arg Arg Leu Phe Ser Arg Phe Pro Arg Val Leu  
130 135 140

Asn Val Thr Val Thr Ser Asn Pro Cys Leu Pro Arg Asp Met Cys Ile  
145 150 155 160

Gly Val Phe Ser Arg Arg Gly Arg Ile Ser Gln Gly Asp Arg Gly Thr  
165 170 175

Pro Leu Val Cys Asn Gly Leu Ala Gln Gly Val Ala Ser Phe Leu Arg  
180 185 190

Arg Arg Phe Arg Arg Ser Ser Gly Phe Phe Thr Arg Val Ala Leu Phe  
195 200 205

Arg Asn Trp Ile Asp Ser Val Leu Asn Asn Pro Pro Ala  
210 215 220

&lt;210&gt; 589

&lt;211&gt; 267

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;400&gt; 589

Met Thr Leu Gly Arg Arg Leu Ala Cys Leu Phe Leu Ala Cys Val Leu  
1 5 10 15

Pro Ala Leu Leu Leu Gly Gly Thr Ala Leu Ala Ser Glu Ile Val Gly  
20 25 30

Gly Arg Arg Ala Arg Pro His Ala Trp Pro Phe Met Val Ser Leu Gln  
35 40 45

Leu Arg Gly Gly His Phe Cys Gly Ala Thr Leu Ile Ala Pro Asn Phe

143

50

55

60

Val Met Ser Ala Ala His Cys Val Ala Asn Val Asn Val Arg Ala Val  
65 70 75 80

Arg Val Val Leu Gly Ala His Asn Leu Ser Arg Arg Glu Pro Thr Arg  
85 90 95

Gln Val Phe Ala Val Gln Arg Ile Phe Glu Asn Gly Tyr Asp Pro Val  
100 105 110

Asn Leu Leu Asn Asp Ile Val Ile Leu Gln Leu Asn Gly Ser Ala Thr  
115 120 125

Ile Asn Ala Asn Val Gln Val Ala Gln Leu Pro Ala Gln Gly Arg Arg  
130 135 140

Leu Gly Asn Gly Val Gln Cys Leu Ala Met Gly Trp Gly Leu Leu Gly  
145 150 155 160

Arg Asn Arg Gly Ile Ala Ser Val Leu Gln Glu Leu Asn Val Thr Val  
165 170 175

Val Thr Ser Leu Cys Arg Arg Ser Asn Val Cys Thr Leu Val Arg Gly  
180 185 190

Arg Gln Ala Gly Val Cys Phe Gly Asp Ser Gly Ser Pro Leu Val Cys  
195 200 205

Asn Gly Leu Ile His Gly Ile Ala Ser Phe Val Arg Gly Gly Cys Ala  
210 215 220

Ser Gly Leu Tyr Pro Asp Ala Phe Ala Pro Val Ala Gln Phe Val Asn  
225 230 235 240

Trp Ile Asp Ser Ile Ile Gln Arg Ser Glu Asp Asn Pro Cys Pro His  
245 250 255

Pro Arg Asp Pro Asp Pro Ala Ser Arg Thr His  
260 265